

**IN THE CLAIMS**

Please replace all prior versions, and listings, of claims in the application with the following list of claims. Additions are indicated by underlining and deletions are indicated by strikeouts.

- 1-2. (Cancelled)
3. (Currently Amended) A device comprising:
  - an article defining a surface; and
  - an isolated region of a self-assembled monolayer of a first molecular species on the surface, the isolated region including a lateral dimension of less than about 10 microns, surrounded by a continuous region of a self-assembled monolayer of a second molecular species on the surface, wherein the first molecular species terminates in an end exposed away from the surface having a first functionality and terminates in another end having a functional group selected to bind to the surface, and the second molecular species terminates in an end facing away from the surface having a second functionality.
4. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has a lateral dimension of less than about 5 microns.
5. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has a lateral dimension of less than about 1 micron.
6. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has a lateral dimension of less than about 0.25 micron.
7. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has an area of less than about 100 square microns.

8. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has an area of less than about 25 microns.
9. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has an area of less than about 1 square micron.
10. (Original) A device as in claim 3, wherein the isolated region of the first molecular species has an area of less than about 0.06 square micron.
11. (Original) A device as in claim 3, wherein the surface is nonplanar.
12. (Original) A device as in claim 3, wherein the first molecular species terminates in an end facing away from the surface having a hydrophilic functionality and the second molecular species terminates in an end facing away from the surface having a hydrophobic functionality.
13. (Previously Pending) A device as in claim 3, wherein the first molecular species terminates in an end, having a hydrophobic functionality, facing away from the surface and the second molecular species terminates in an end, in a hydrophilic functionality, facing away from surface.
14. (Original) A device as in claim 13 wherein the surface is nonplanar.
15. (Original) A device as in claim 12 wherein the surface is nonplanar.
- 16-54. (Cancelled)

55. (Currently Amended) An article defining a surface comprising palladium; and  
a self-assembled layer of molecular species on the surface defining a pattern, the  
pattern corresponding to a pattern of an applying surface able to direct formation of the  
pattern of the monolayer of the molecular species on the surface, the molecular species  
terminating in a functional group selected to bind to the surface.
56. (Original) The article of claim 55, wherein the pattern includes a lateral dimension of less  
than 10 microns.
57. (Original) The article of claim 56, wherein the pattern includes a lateral dimension of less  
than about 5 microns.
58. (Original) The article of claim 57, wherein the pattern includes a lateral dimension of less  
than about 1 micron.
59. (Original) The article of claim 58, wherein the pattern includes a lateral dimension of less  
than about 0.25 micron.
- 60-68. (Cancelled)
69. (Currently Amended) A device comprising:  
an article defining a surface comprising palladium;  
an isolated region of a self-assembled layer of a first molecular species on the  
surface, the molecular species terminating in a functional group selected to bind to the  
surface, the isolated region including a lateral dimension of less than 200 microns.

70. (Original) The device of claim 69, wherein the isolated region includes a lateral dimension of less than about 110 microns, surrounded by a continuous region of a self-assembled layer of a second molecular species on the surface, wherein the first molecular species comprises a first functionality and the second molecular species comprises a second functionality.
71. (Original) The device of claim 70, wherein the isolated region of the first molecular species has a lateral dimension of less than about 10 microns.
72. (Original) The device of claim 71, wherein the isolated region of the first molecular species has a lateral dimension of less than about 5 microns.
73. (Original) The device of claim 72, wherein the isolated region of the first molecular species has a lateral dimension of less than about 1 micron.
74. (Original) The device of claim 69, wherein the isolated region of the first molecular species has an area of less than 1 square micron.
75. (Original) The device of claim 74, wherein the isolated region of the first molecular species has an area of less than 0.06 square micron.

76-97. (Cancelled)